Research Integrity, Governance & Systems/Research and Innovation

2012 RMIT Research Publications
HERDC Bibliographic Report

September, 2013
Table of Contents

Accounting........................................................................................................................................... 6
Research Book.................................................................................................................................... 6
Refereed Journal Article....................................................................................................................... 6
Article in Refereed Conference Proceedings....................................................................................... 7
Business College Office ...................................................................................................................... 8
Chapter in Research Book................................................................................................................. 8
Refereed Journal Article....................................................................................................................... 8
Article in Refereed Conference Proceedings....................................................................................... 8
Business IT and Logistics ................................................................................................................... 9
Research Book.................................................................................................................................. 9
Chapter in Research Book.................................................................................................................. 9
Refereed Journal Article...................................................................................................................... 10
Article in Refereed Conference Proceedings....................................................................................... 13
Economics, Finance and Marketing .................................................................................................. 19
Research Book.................................................................................................................................. 19
Chapter in Research Book.................................................................................................................. 19
Refereed Journal Article...................................................................................................................... 19
Graduate School of Business and Law ............................................................................................... 23
Research Book.................................................................................................................................. 23
Chapter in Research Book.................................................................................................................. 23
Refereed Journal Article...................................................................................................................... 23
Article in Refereed Conference Proceedings....................................................................................... 25
Management ....................................................................................................................................... 26
Research Book.................................................................................................................................. 26
Chapter in Research Book.................................................................................................................. 26
Refereed Journal Article...................................................................................................................... 27
Article in Refereed Conference Proceedings....................................................................................... 28
Design and Social Context .................................................................................................................. 31
Architecture and Design .................................................................................................................... 31
Research Book.................................................................................................................................. 31
Chapter in Research Book.................................................................................................................. 31
Refereed Journal Article...................................................................................................................... 33
Article in Refereed Conference Proceedings....................................................................................... 35
Art......................................................................................................................................................... 37
Research Book.................................................................................................................................. 37
Chapter in Research Book.................................................................................................................. 37
Refereed Journal Article....................................................................................................................... 37
<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>38</td>
</tr>
<tr>
<td>Centre for Design</td>
<td>39</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>39</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>39</td>
</tr>
<tr>
<td>DSC College Office</td>
<td>40</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>40</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>40</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>41</td>
</tr>
<tr>
<td>Education</td>
<td>42</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>42</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>42</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>43</td>
</tr>
<tr>
<td>Fashion and Textiles</td>
<td>45</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>45</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>45</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>46</td>
</tr>
<tr>
<td>Global, Urban and Social Studies</td>
<td>48</td>
</tr>
<tr>
<td>Research Book</td>
<td>48</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>48</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>51</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>57</td>
</tr>
<tr>
<td>Media and Communication</td>
<td>60</td>
</tr>
<tr>
<td>Research Book</td>
<td>60</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>60</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>62</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>65</td>
</tr>
<tr>
<td>Property, Construction and Project Management</td>
<td>68</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>68</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>68</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>70</td>
</tr>
<tr>
<td>General</td>
<td>74</td>
</tr>
<tr>
<td>Curriculum Innovation &amp; Development</td>
<td>74</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>74</td>
</tr>
<tr>
<td>e-Research</td>
<td>74</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>74</td>
</tr>
<tr>
<td>Learning &amp; Teaching Development</td>
<td>74</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>74</td>
</tr>
<tr>
<td>Libraries</td>
<td>74</td>
</tr>
<tr>
<td>Category</td>
<td>Reference Count</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>74</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>74</td>
</tr>
<tr>
<td>PVC Office - Group Governance</td>
<td>75</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>75</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>75</td>
</tr>
<tr>
<td>PVC Office - Research and Innovation</td>
<td>76</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>76</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>76</td>
</tr>
<tr>
<td>RMIT Vietnam</td>
<td>76</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>76</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>76</td>
</tr>
<tr>
<td>School of Graduate Research</td>
<td>79</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>79</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>79</td>
</tr>
<tr>
<td>Student Services Group</td>
<td>80</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>80</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>80</td>
</tr>
<tr>
<td>Miscellaneous Units of RMIT</td>
<td>81</td>
</tr>
<tr>
<td>Office of the Deputy Vice-Chancellor</td>
<td>81</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>81</td>
</tr>
<tr>
<td>Science, Engineering and Health</td>
<td>82</td>
</tr>
<tr>
<td>Aerospace, Mechanical and Manufacturing Engineering</td>
<td>82</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>82</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>82</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>92</td>
</tr>
<tr>
<td>Applied Sciences</td>
<td>97</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>97</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>111</td>
</tr>
<tr>
<td>Civil, Environmental and Chemical Engineering</td>
<td>113</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>113</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>113</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>118</td>
</tr>
<tr>
<td>Computer Science and Information Technology</td>
<td>123</td>
</tr>
<tr>
<td>Chapter in Research Book</td>
<td>123</td>
</tr>
<tr>
<td>Refereed Journal Article</td>
<td>123</td>
</tr>
<tr>
<td>Article in Refereed Conference Proceedings</td>
<td>125</td>
</tr>
<tr>
<td>Electrical and Computer Engineering</td>
<td>130</td>
</tr>
<tr>
<td>Research Book</td>
<td>130</td>
</tr>
</tbody>
</table>
Chapter in Research Book ................................................................. 130
Refereed Journal Article..................................................................... 130
Article in Refereed Conference Proceedings ..................................... 137
Health Sciences .................................................................................... 146
Chapter in Research Book ................................................................. 146
Refereed Journal Article..................................................................... 146
Life & Physical Sciences ................................................................... 152
Refereed Journal Article..................................................................... 152
Mathematical and Geospatial Sciences.................................................. 153
Chapter in Research Book ................................................................. 153
Refereed Journal Article..................................................................... 153
Article in Refereed Conference Proceedings ..................................... 158
Medical Sciences ................................................................................ 161
Chapter in Research Book ................................................................. 161
Refereed Journal Article..................................................................... 161
Article in Refereed Conference Proceedings ..................................... 167
SEH College Office ............................................................................ 169
Chapter in Research Book ................................................................. 169
Refereed Journal Article..................................................................... 169
Article in Refereed Conference Proceedings ..................................... 170
Business

Accounting

Research Book

Refereed Journal Article


**Article in Refereed Conference Proceedings**


Chapter in Research Book


Referred Journal Article


Smith, A. & Stewart, B. (2012). 'Body perceptions and health behaviors in an online bodybuilding community', in Qualitative Health Research, 22 (7), 971 - 985


Article in Refereed Conference Proceedings


Business IT and Logistics

Research Book

Chapter in Research Book


Refereed Journal Article


Low, N. & Odgers, J. (2012). 'Rethinking the cost of traffic congestion, lessons from Melbourne's city link toll roads', in Urban Policy and Research, 30 (2), 189 - 205


Reynolds, S. & Carroll, M. (2012). 'Collaborators or competitors? The roles of school libraries, classroom libraries, teachers and teacher librarians in literacy development', in Synergy, 10 (1), 1 - 7


**Article in Refereed Conference Proceedings**


Antoni, D. & Jie, F. (2012). 'The relationship between IT compatibility and organisational environment performance: a conceptual framework', *3rd Annual International Conference on Infocomm Technologies in Competitive Strategies*, Professor Teodor Rus, Prof Paul Krause, Dr P.S Avadhani, Dr Vinay Kumar Pathak, Prof P.K Kapur, Prof Andrew Ware, (ed.), 3rd Annual International Conference on Infocomm Technologies in Competitive Strategies,


Wibowo, S., Deng, H. & Zhang, X. (2012). 'A group decision making procedure for selecting data warehouse systems', *Proceedings of the 4th International Conference, AICI 2012 - Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, Jingsheng Lei, Fu LeeWang, Hepu Deng, Duqiong Miao (ed.), 4th International Conference on Artificial Intelligence and Computational Intelligence, AICI 2012,


Economics, Finance and Marketing

Research Book

Chapter in Research Book


Refereed Journal Article


Farrell, L. (2012). 'Chasing data: Sources of data for the study of gambling economics', in *Australian Economic Review*, 45 (4), 488 - 496


Sinclair, S., Boymal, J. & De Silva, A. (2012). 'A re-appraisal of the fertility response to the Australian baby bonus', in *The Economic Record*, 88 (S1), 78 - 87


Thomas, S., Lewis, S. & Westberg, K. (2012). "You just change the channel if you don't like what you're going to hear": Gamblers' attitudes towards, and interactions with, social marketing campaigns', in *Health Expectations*, Online, 1 - 13

Research Book

Chapter in Research Book


Refereed Journal Article


Feaver, D. & Sheehy, B. (2012). 'Climate policy and border adjustment regulation: Designing a coherent response', in Melbourne Journal of International Law, 13 (2), 792 - 817

Glover, J. (2012). 'Nominal or 'dummy' settlors: Is it time to reform the law of trusts?', in Journal of Equity, 6 (1), 19 - 43

Jackson, M. (2012). 'Wikileaks: why no laws were broken', in Law Institute Journal, 86 (3), 30 - 35


Shi, E. (2012). 'A tiger with no teeth: Genuine redundancy and reasonable redeployment under the 'fair work act'', in University of Queensland Law Journal, 31 (1), 101 - 114


Article in Refereed Conference Proceedings

Kellett, J., Balston, J., Li, S., Wells, G. & Western, M. (2012). 'Responding to rising sea levels: the Australian experience', Proceedings of the 6th International Conference and Workshop on the Built Environment in Developing Countries (ICBEDC 2012), Dr Nicholas Chileshe, Dr Matthew Rofe (ed.), ICBEDC 2012: Fragmented Futures: the built environment in a volatile world,


Management

Research Book

Chapter in Research Book


Refereed Journal Article


Gilbert, D. (2012). 'From chalk and talk to walking the walk: Facilitating dynamic learning contexts for entrepreneurship students in fast-tracking innovations', in Education and Training, 54 (2-3), 152 - 166


Article in Refereed Conference Proceedings


Moyeen, A. & Huq, A. (2012). 'Corporate social responsibility and sustainable development: a developing country study of business's attitude towards and perception of corporate social responsibility', Proceedings of the 5th International Colloquium on Business and Management (ICBM), Mark Neal (ed.), 5th International Colloquium on Business and Management, in conjunction with the 4th International Conference on Business and Management Education,


Design and Social Context

Architecture and Design

Research Book

Chapter in Research Book


**Refereed Journal Article**


De La Harpe, B., Mason, T. & Brien, D. (2012). 'Strategically strengthening learning and teaching leadership in the creative arts through the createED network', in *TEXT Special Issue Website Series*, 16 (2), 1 - 14


Heiss, L. (2012). 'Therapeutic art practice: how experimental art practice can radically inform the development of our therapeutic technologies', in Studies in Material Thinking, 8 (May), 1 - 9


Article in Refereed Conference Proceedings


O’Brien, D. & Ahmed, I. (2012). 'Stage two and beyond: Improving residents' capacity to modify reconstruction agency housing', *Proceedings of the 8th Annual Conference of the International Institute for Infrastructure Renewal and Reconstruction (IIIRR) on Disaster Management*, Prof. Shoshi Mizokami, Prof. Ryuji Kakimoto and Prof. Fumihiko Yamada (ed.), IIIRR 2012,


---

2012 HERDC Bibliographic report 35

Art

Research Book


Chapter in Research Book


Refereed Journal Article


**Article in Refereed Conference Proceedings**


Centre for Design

Chapter in Research Book


Refereed Journal Article


Chapter in Research Book


Refereed Journal Article

Budge, K. (2012). 'A question of values: why we need art and design in higher education', in *Art, Design and Communication in Higher Education*, 11 (1), 5 - 16


De La Harpe, B., Mason, T. & Brien, D. (2012). 'Strategically strengthening learning and teaching leadership in the creative arts through the createED network', in *TEXT Special Issue Website Series*, 16 (2), 1 - 14

Fehring, H. & Herring, K. (2012). 'Voices from the working lives project: The push-pull of work and care', in *International Education Studies*, 5 (6), 204 - 218


Sandri, O. (2012). 'Exploring the role and value of creativity in education for sustainability', in Environmental Education Research, iFirst, 1 - 14


Article in Refereed Conference Proceedings


Education

Chapter in Research Book


Referred Journal Article


Breed, M. (2012). 'Using the scaffolding numeracy in the middle years assessment materials to support student learning', in *Australian Primary Mathematics Classroom*, 17 (4), 28 - 32


Fehring, H. & Herring, K. (2012). 'Voices from the working lives project: The push-pull of work and care', in *International Education Studies*, 5 (6), 204 - 218

Fehring, H. & Nyland, B. (2012). 'Curriculum directions in Australia: Has the new focus on literacy (English) and assessment narrowed the education agenda?', in *Literacy Learning the Middle Years*, 20 (2), 7 - 16


**Article in Refereed Conference Proceedings**


Rogers, A. (2012). 'Steps in developing a quality whole number place value assessment for years 3-6: unmasking the "experts"', *Mathematics Education: Expanding Horizons*, Jaguthsing Dindyal, Lu Pien Cheng and Swee Fong Ng (ed.), 35th Annual Conference of the Mathematics Education Research Group of Australasia,

Fashion and Textiles

Chapter in Research Book


Refereed Journal Article


Article in Refereed Conference Proceedings


Global, Urban and Social Studies

Research Book


Chapter in Research Book


Liu, G. & Engels, B. (2012). 'Accessibility to essential services and facilities by a spatially dispersed aging population in suburban Melbourne, Australia', in Advances in Location Based Services : 8th International Symposium on Location-Based Services, Vienna 2011 - Lecture Notes in Geoinformation and Cartography. Springer-Verlag, Germany, 327 - 348, ISBN: 978-3-642-24197-0


**Refereed Journal Article**


Colic-Peisker, V. & Johnson, G. (2012). 'Liquid life, solid homes: Young people, class and homeownership in Australia', in *Sociology*, 46 (4), 728 - 743

Cook, K. (2012). 'Single parents' subjective wellbeing over the welfare to work transition', in *Social Policy and Society*, 11 (2), 143 - 155


Daley, K. (2012). 'Gathering sensitive stories: Using care theory to guide ethical decision-making in research interviews with young people', in *Youth Studies Australia*, 31 (3), 27 - 34


Emslie, M. (2012). 'It's time: A case for the professionalisation of youth work', in *Youth Studies Australia*, 31 (1), 16 - 24


Eshtiaghi, N., Robertson, S. & Warren-Myers, G. (2012). 'Good practice groundwork: Managing initial meetings with higher degree research students', in *Education for Chemical Engineers*, 7, 196 - 202


Goldsmith, A. & Harris, V. (2012). 'Trust, trustworthiness and trust-building in international policing missions', in Australian and New Zealand Journal of Criminology, 45 (2), 231 - 254

Goodman, R. & Coliacetto, E. (2012). 'Shopping streets or malls: changes in retail form in Melbourne and Brisbane', in Urban Policy and Research, 30 (2), 1 - 23


Grenfell, D. (2012). 'Remembering the dead from the customary to the modern in Timor-Leste', in Local Global, 11, 86 - 108


Harris, V. & Goldsmith, A. (2012). 'Police in the development space: Australia's international police capacity builders', in Third World Quarterly, 33 (6), 1019 - 1036


Heydon, G. (2012). 'Helping the police with their enquiries: Enhancing the investigative interview with linguistic research', in The Police Journal, 85 (2), 101 - 122

Heylen, K. & Haffner, M. (2012). 'The effect of housing expenses and subsidies on the income distribution in Flanders and the Netherlands', in Housing studies, 27 (8), 1142 - 1161


Kampmark, B. (2012). 'Murder in the Simulacrum: Bin Laden, unbelievable deaths and depictions of legal exceptionality', in C THEORY, online, 1 - 15


Mendes, P., Johnson, G. & Moslehuddin, B. (2012). 'Young people transitioning from out-of-home care and relationships with family of origin: An examination of three recent Australian studies', in Child Care in Practice, 18 (4), 357 - 370


Murray, S. & Humphreys, C. (2012). 'My life's been a total disaster but I feel privileged': Care-leavers' access to personal records and their implications for social work practice', in *Child and Family Social Work*, Online, 1 - 10


Richardson, A. (2012). 'New world ordure? Thoughts on the use of humanure in developed cities', in City, 16 (6), 700 - 712


Rowe, J. (2012). 'Clients are central to any independent and rigorous evaluation of the services they use', in International Journal of Drug Policy, 23 (2), 103 - 110


Scerri, A. (2012). 'Political legitimacy, cultural legitimacy: Promoting 'practical reason' by facilitating deliberation on policy for sustainability', in Local Global: studies in community sustainability, 10, 82 - 97


Scerri, A. & Magee, L. (2012). 'Green householders, stakeholder citizenship and sustainability', in Environmental Politics, 21 (3), 387 - 411


Siracusa, J. (2012). 'The eight pillars of the nuclear non-proliferation regime and the search for global security', in Global Policy Essay, Online, 1 - 17

Smart, J. & Quartly, M. (2012). 'Mainstream women's organisations in Australia: The challenges of national and international co-operation after the Great War', in Women's History Review, 21 (1), 61 - 79


Steger, M. & Wilson, E. (2012). 'Anti-globalization or alter-globalization mapping the political ideology of the global justice movement', in International Studies Quarterly, 56 (3), 439 - 454


**Article in Refereed Conference Proceedings**


Magee, L. (2012). 'Simulating a 'Fierce Planet': A Web-based agent platform and sustainability game', *Proceedings of the 2012 SpringSim Poster and Work-In-Progress Track*, Dr. Hala ElAarag, Dr. Andreas Tolk, Dr. Yelena Rykalova, Dr. Robert McGraw (ed.), 2012 Spring Simulation Multiconference (SpringSim’12),


Media and Communication

Research Book


Chapter in Research Book


Refereed Journal Article


Danks, A. (2012). 'Change - why should I? I never pretended to be anything than I am: The films of Errol Flynn and Raoul Walsh', in *Senses of Cinema*, Online (65), 1 - 10

Danks, A. (2012). 'The art of falling apart: Petulia and the fate of Richard Lester', in *Screening the Past*, Online (35), 1 - 6


Tacchi, J. (2012). 'Open content creation: The issues of voice and the challenges of listening', in *New Media and Society*, 14 (4), 652 - 668

Teo, S. (2012). 'The voice-over as an integrating tool of word and image', in Cinephile, 8 (1), 27 - 31


Article in Refereed Conference Proceedings


Chang, S., Alzougool, B., Gomes, C., Berry, M., Smith, S. & Reeders, D. (2012). 'Communicating with International Students: How do their social networks impact on where they go to for information?', Proceedings of the International Education Association Inc, Dr Katie Richardson, Dr Shanton Chang, Mr Terry McGrath (ed.),ISANA International Education Association 23rd Annual Conference,


Property, Construction and Project Management

Chapter in Research Book


Refereed Journal Article


Eady, S., Carre, A. & Grant, T. (2012). 'Life cycle assessment modelling of complex agricultural systems with multiple food and fibre co-products', in Journal of Cleaner Production, 28, 143 - 149


Shelley, A. (2012). 'Metaphor interactions to develop team relationships and robustness enhance project outcomes', in Project Management Journal, 43 (6), 88 - 96


**Article in Refereed Conference Proceedings**


Maqsood, T., Khalfan, M. & Aranda-Mena, G. (2012). 'Do public private partnerships (PPP projects) provide value for money for infrastructure development in Australia?', Delivering Value to the Community, Kathy Michell, Paul Bowen and Keith Cattell (ed.), Joint CIB W70/92 & TG 72,


Zabel, N., Georgy, M. & Ibrahim, M. (2012). 'Developing a dynamic risk map (DRM) for the pipeline construction projects in Middle East', Risk Analysis VIII, C A Brebbia (ed.), 8th International Conference on Risk Analysis and Hazard Mitigation,

General

Curriculum Innovation & Development

Chapter in Research Book

e-Research

Chapter in Research Book

Learning & Teaching Development

Refereed Journal Article

Libraries

Refereed Journal Article


Article in Refereed Conference Proceedings
Chapter in Research Book

Refereed Journal Article
Moodie, G. (2012). 'Variations in the rate at which students cross the boundaries between Australian vocational and higher education', in Australian Educational Researcher, 39 (2), 143 - 158

PVC Office - Research and Innovation

Refereed Journal Article

Article in Refereed Conference Proceedings

RMIT Vietnam

Refereed Journal Article
Alam, Q. & Teicher, J. (2012). 'The state of governance in Bangladesh: The capture of state institutions', in *South Asia: Journal of South Asia Studies*, 35 (4), 858 - 884


Article in Refereed Conference Proceedings


Nguyen, T., Quang, L., Van, N., Thanh, L., Hoang, T. & de Souza-Daw, A. (2012). 'An efficient and reliable human resource management system based on a hybrid of face authentication and RFID technology', Proceedings of the 4th International Conference on Communications and Electronics, Nguyen Xuan Quynh, Jinwoo Park, Roberto D. Graglia (ed.), International Conference on Communications and Electronics,


School of Graduate Research

Chapter in Research Book


Refereed Journal Article


Refereed Journal Article

Article in Refereed Conference Proceedings
Science, Engineering and Health

Aerospace, Mechanical and Manufacturing Engineering

Chapter in Research Book


Refereed Journal Article


Alam, F., Date, A., Rasjidin, R., Mobin, S., Moria, H. & Baqui, A. (2012). 'Biofuel from algae- Is it a viable alternative?', in Procedia Engineering, 49, 221 - 227


Date, A., Date, A. & Akbarzadeh, A. (2012). 'Performance investigation of a simple reaction water turbine for power generation from low head micro hydro resources', in *Smart Grid and Renewable Energy*, 3 (3), 239 - 245

Date, A., Date, A., Akbarzadeh, A. & Alam, F. (2012). 'Examining the potential of split reaction water turbine for ultra-low head hydro resources', in *Procedia Engineering*, 49, 197 - 204


Fung, M., Inthavong, K., Yang, W. & Tu, J. (2012). 'CFD modeling of spray atomization for a nasal spray device', in *Aerosol Science and Technology*, 46 (11), 1219 - 1226


Ge, Q., Inthavong, K. & Tu, J. (2012). 'Local deposition fractions of ultrafine particles in a human nasal-sinus cavity CFD model', in Inhalation Toxicology, 24 (8), 492 - 505


Inthavong, K., Ge, Q., Li, X. & Tu, J. (2012). 'Detailed predictions of particle aspiration affected by respiratory inhalation and airflow', in Atmospheric Environment, 62, 107 - 117

Inthavong, K., Yang, W., Fung, M. & Tu, J. (2012). 'External and near-nozzle spray characteristics of a continuous spray atomized from a nasal spray device', in Aerosol Science and Technology, 46 (2), 165 - 177


Mo, J. (2012). 'Performance assessment of product service system from system architecture perspectives', in *Advances in Decision Sciences*, 2012 ((2012)), 1 - 19


Mouritz, A. (2012). 'Environmental durability of z-pinned carbon fibre-epoxy laminate exposed to water', in Composites Science and Technology, 72 (13), 1568 - 1574


Ng, C., Veidt, M., Rose, L. & Wang, C. (2012). 'Analytical and finite element prediction of Lamb wave scattering at delaminations in quasi-isotropic composite laminates', in Journal of Sound and Vibration, 331 (22), 4870 - 4883


Ye, S., Pan, W., Ding, S., Mo, J., Brandt, M. & Mackie, A. (2012). 'Electrical discharge characteristics of polycrystalline diamonds', in Advanced Materials Research, 426, 44 - 47


**Article in Refereed Conference Proceedings**


2012 HERDC Bibliographic report 92


Ghorbani, K., Baum, T. & Thompson, L. (2012). 'Properties and radar cross-section of forest fire ash particles at millimetre wave', *Proceedings of the 42nd European Microwave Conference*, Bart Nauwelaers (ed.), European Microwave Conference,


Oswald, D., Baccini, D., Hinckley, S. & Wild, G. (2012). 'Improving engineering students' skills using a digital storage oscilloscope using multimedia resources', Annual Conference of the Australasian Association for Engineering Education (AAEE), Llewellyn Mann & Scott Daniel (ed.), AAEE 2012,


Applied Sciences

Chapter in Research Book


Al Kobaisi, M., Chua, B., Tonkin, D., Jackson, D. & Mainwaring, D. (2012). 'Control of size dispersity of chitosan biopolymer microparticles and nanoparticles to influence vaccine trafficking and cell uptake', in *Journal of Biomedical Materials Research - Part A*, 100A (7), 1859 - 1867


Ayyash, M., Sherkat, F. & Shah, N. (2012). 'The impact of NaCl substitution with KCl on proteinase activities cell-free extract and cell-free supernatant at different pH levels and salt concentrations: Lactobacillus delbrueckii ssp. bulgaricus and Streptococcus thermophilus', in Journal of Food Science, 77 (8), 490 - 498


Bhargava, S., Priver, S., Willis, A. & Bennett, M. (2012). 'Preparation, structure, and reactivity of dipalladium(I) complexes containing the carbanion 2-C6 F4 PPh2: coexistence of distinct, noninterconverting head-to-head [dipalladium(0/II)] and head-to-tail [dipalladium(I)] species', in *Organometallics*, 31 (15), 5561 - 5572

Bhaskaran, M., Sriram, S., Rodriguez, B., Devendra, G., Latham, K., McCulloch, D. & Mitchell, A. (2012). 'Lattice guiding for sputter deposition of single domain (Sr0.6Ba0.4)Nb2O6 ferroelectric thin films', in *CrystEngComm*, 14 (2), 359 - 361


Dissanayake, M., Kasapis, S., Chaudhary, V., Adhikari, B., Palmer, M. & Meurer, B. (2012). 'Unexpected high pressure effects on the structural properties of condensed whey protein systems', in Biopolymers, 97 (12), 963 - 973


Holden, K., Gilbert, M., Coloe, P., Li, J. & Fry, B. (2012). 'The role of WlaRG, WlaTB and WlaTC in lipoooligosaccharide synthesis by Campylobacter jejuni strain 81116', in Microbial Pathogenesis, 52 (6), 344 - 352


Jayaraj, R., Piedrafita, D., Spithill, T. & Smooker, P. (2012). 'Evaluation of the immune responses induced by four targeted DNA vaccines encoding the juvenile liver fluke antigen, cathepsin B in a mouse model', in Genetic Vaccines and Therapy, 10 (7), 1 - 9


Jiang, B., Kasapis, S. & Kontogiorgos, V. (2012). 'Fundamental considerations in the effect of molecular weight on the glass transition of the gelatin/cosolute system', in Biopolymers: original research on biological molecules and assemblies, 97 (5), 303 - 310


Kairn, T., Taylor, M., Crowe, B., Dunn, L., Franich, R., Kenny, J., Knight, R. & Trapp, V. (2012). 'Monte Carlo verification of gel dosimetry measurements for stereotactic radiotherapy', in Physics in Medicine and Biology, 57 (11), 3359 - 3369


Kim, I. & Allen, T. (2012). 'Bennett's acceptance ratio and histogram analysis methods enhanced by umbrella sampling along a reaction coordinate in configurational space', in The Journal of Chemical Physics, 136 (16), 1 - 17


Sibbel, A. (2012). 'Public nutrition and the role of the food industry', in *British Food Journal*, 114 (6-7), 784 - 797


2012 HERDC Bibliographic report 108


Taylor, M. (2012). 'Quantification of differences in the effective atomic numbers of healthy and cancerous tissues: A discussion in the context of diagnostics and dosimetry', in Medical Physics, 39 (9), 5437 - 5445


**Article in Refereed Conference Proceedings**


Daud, N. & Shanks, R. (2012). 'Formation of high-filled hybrid composites by centrifugal compaction', *Proceedings of the Third International Multicomponent Polymer Conference*, Prof. Dr. Sabu Thomas and Prof. Dr. Robert A. Shanks (ed.), Third International Multicomponent Polymer Conference,


Civil, Environmental and Chemical Engineering

Chapter in Research Book


Refereed Journal Article


Alqhatani, M., Bajwa, S. & Setunge, S. (2012). 'Impact of socioeconomic and land use on car ownership: a comparison of Riyadh, Saudi Arabia and Melbourne, Australia', in Journal of Chongqing University (Natural Science), 31 (S1), 539 - 546


Black, A., McLaren, R., Reichman, S., Speir, T. & Condron, L. (2012). 'Examining the integrity of soil metal bioavailability assays in the presence of organic amendments to metal-spiked soils', in Soil Use and Management, 28 (1), 89 - 100


Buckeridge, J. (2012). 'Opportunism and the resilience of barnacles (Cirripedia: Thoracica) to environmental change', in Integrative Zoology, 7 (2), 137 - 146

Buckeridge, J. & Watts, R. (2012). 'On ethics, the pursuit of knowledge, truth and status in the hallowed halls of academe', in Integrative Zoology, Online, 1 - 24


Eshtiaghi, N., Robertson, S. & Warren-Myers, G. (2012). 'Good practice groundwork: Managing initial meetings with higher degree research students', in Education for Chemical Engineers, 7, 196 - 202

Eshtiaghi, N., Yap, S., Markis, F., Baudez, J. & Slatter, P. (2012). 'Clear model fluids to emulate the rheological properties of thickened digested sludge', in Water Research, 46 (9), 3014 - 3022


Gu, X., Sun, G., Li, G., Huang, X., Li, Y. & Li, Q. (2012). 'Multiobjective optimization design for vehicle occupant restraint system under frontal impact', in Structural and Multidisciplinary Optimization: computer-aided optimal design of stressed solids and multidisciplinary systems, online, 1 - 13

Han, D., Song, X., Currell, M. & Tsujimura, M. (2012). 'Using chlorofluorocarbons (CFCs) and tritium to improve conceptual model of groundwater flow in the South Coast aquifers of Laizhou Bay, China', in Hydrological Processes, 26 (23), 3614 - 3629


Mesbah, M., Thompson, R. & Moridpour, S. (2012), 'Bilevel optimization approach to design of network of bike lanes', in Transportation Research Record: Journal of the Transportation Research Board, (2284), 21 - 28


Moridpour, S., Rose, G., Sarvi, M. & Mazloumi, E. (2012). 'Influence of the surrounding traffic characteristics on lane changing decision of heavy vehicle drivers', in Road and Transport Research, 21 (3), 19 - 33


Nguyen, B. & Mohajerani, A. (2012). 'Development of a new dynamic lightweight penetrometer for the determination of mechanical properties of fine-grained soils', in Journal of Civil Engineering and Architecture, 6 (10 (serial no. 59)), 1426 - 1431


**Article in Refereed Conference Proceedings**


Hadigheh, S., Gravina, R. & Setunge, S. (2012). 'Shear debonding of FRP plates from concrete surface: using modified single lap shear test set-up', Proceedings of the Sixth International Composites Conference (ACUN-6), Sri Bandyopadhyay, Yu Bai (ed.), Sixth International Composites Conference (ACUN-6),

Huang, X., Zhou, S., Xie, Y. & Li, Q. (2012). 'Two-scale concurrent topology optimization for microstructures of materials and structures', Proceedings of the 4th International Conference on Computational Methods, YuanTong (Y.T.) Gu, Dr Zhen Luo, Dr Jinchen Ji (ed.), ICCM 2012,


Wu, D., Gao, W., Tangaramvong, S. & Tin-Loi, F. (2012). 'Limit analysis with uncertain-but-bounded parameters by kinematic approach', Proceedings of the 4th International Conference on Computational Methods (ICCM2012), A/Professor YuanTong (Y.T.) Gu, Prof Seiichi Koshizuka, Dr. Suvash Saha (ed.),ICCM 2012,


Computer Science and Information Technology

Chapter in Research Book


Refereed Journal Article


Berry, M., D'Souza, D., Ciesielski, V. & Trist, K. (2012). 'Animated evolved photomosaics: Constantly becoming other', in Crossings (Dublin): Electronic journal of art and technology, 6 (1), 1 - 14


Dhaliwal, J., Puglisi, S. & Turpin, A. (2012). 'Practical efficient string mining', in IEEE Transactions on Knowledge and Data Engineering, 24 (4), 735 - 744

Duff, S., Thangarajah, J. & Harland, J. (2012). 'Maintenance goals in intelligent agents', in Computational Intelligence, Online, 1 - 44


Karimi, S., Zobel, J. & Scholer, F. (2012). 'Quantifying the impact of concept recognition on biomedical information retrieval', in Information Processing and Management, 48 (1), 94 - 106

Li, X. & Yao, X. (2012). 'Cooperatively coevolving particle swarms for large scale optimization', in IEEE Transactions on Evolutionary Computation, 16 (2), 210 - 224


Yadav, N. & Sardina, S. (2012). 'Qualitative approximate behavior composition', in Lecture Notes in Computer Science, 7519, 450 - 462


Article in Refereed Conference Proceedings


Raffe, W., Zambetta, F. & Li, X. (2012). 'A survey of procedural terrain generation techniques using evolutionary algorithms', Proceedings of the Congress of Evolutionary Computation (CEC 2012), Hussein Abbass, Daryl Essam and Ruhul Sarker (ed.),WCCI 2012 IEEE World Congress on Computational Intelligence,


Electrical and Computer Engineering

Research Book

Chapter in Research Book


Refereed Journal Article


Bhaskaran, M., Sriram, S., Rodriguez, B., Devendra, G., Latham, K., McCulloch, D. & Mitchell, A. (2012). 'Lattice guiding for sputter deposition of single domain (Sr0.6Ba0.4)Nb2O6 ferroelectric thin films', in *CrystEngComm*, 14 (2), 359 - 361


Kalra, C., Kumar, D. & Poosapadi Arjunan, S. (2012). 'Age and gender related differences in surface electromyograms for various force levels of contraction', in *Journal of Medical and Biological Engineering*, 32 (6), 405 - 410


Langelier, S., Yeo, L. & Friend, J. (2012). 'UV epoxy bonding for enhanced SAW transmission and microscale acoustofluidic integration', in Lab on a Chip, 12 (16), 2970 - 2976


Yeoh, W., Rowe, W. & Wong, K. (2012). 'Decoupled dual-dipole rectennas on a conducting surface at 2.4 GHz for wireless battery charging', in IET Microwaves, Antennas and Propagation, 6 (2), 236 - 244


Yin, X., Ng, B., Ramamohanarao, K., Baghai - Wadji, A. & Abbott, D. (2012). 'Exploiting sparsity and low-rank structure for the recovery of multi-slice breast MRIs with reduced sampling error', in Medical and Biological Engineering and Computing, 50 (9), 991 - 1000


Zhuiykov, S. & Kalantar Zadeh, K. (2012). 'Development of antifouling of electrochemical solid-state dissolved oxygen sensors based on nanostructured Cu0.4Ru3.4O7 + RuO2 sensing electrodes', in *Electrochimica Acta*, 73 (1), 105 - 111


**Article in Refereed Conference Proceedings**


Davoodnezhad, R., Holmes, G. & McGrath, B. (2012). 'Constant frequency three-phase hysteresis current regulator with extended modulation depth', Proceedings of the 7th International Power Electronics and Motion Control Conference - ECCE Asia, (IPEMC 2012), Fred C Lee (ed.), 7th International Power Electronics and Motion Control Conference,

Davoodnezhad, R., Holmes, G. & McGrath, B. (2012). 'Hysteresis current regulation of three phase flying capacitor inverter with balanced capacitor voltages', Proceedings of the 7th International Power Electronics and Motion Control Conference - ECCE Asia, (IPEMC 2012), Fred C Lee (ed.), 7th International Power Electronics and Motion Control Conference - ECCE Asia, IPEMC,


Mohzani, Z., McGrath, B. & Holmes, G. (2012). 'The balancing properties of DC link compensation for 3-phase Neutral Point Clamped (NPC) Converter', Proceedings of the 7th International Power Electronics and Motion Control Conference - ECCE Asia, (IPEMC 2012), Fred C Lee (ed.),7th International Power Electronics and Motion Control Conference,

Naik, G., Kumar, D. & Poosapadi Arjunan, S. (2012). 'Measure of Increase in Motor unit synchronisation for young and old using sEMG', 2012 ISSNIP Biosignals and Biorobotics Conference (BRC 2012), Dinesh K Kumar, M Palaniswami (ed.),2012 ISSNIP Biosignals and Biorobotics Conference,


Shariati Moghadam, N., Rowe, W. & Ghorbani, K. (2012). 'RF field investigation and maximum available power analysis for enhanced RF energy scavenging', *Proceedings of the 42nd European Microwave Conference*, Hubregt J. Visser (ed.), 42nd European Microwave Conference, EuMC,


Xu, W., Yang, W., Yu, X. & He, J. (2012). 'One new model based predictive torque control algorithm for doubly salient permanent magnet synchronous machines', *IECON Proceedings (Industrial Electronics Conference)*, (ed.),IECON 2012,


Health Sciences

Chapter in Research Book


Refereed Journal Article


Breach, R., Jones, L. & Holroyd, E. (2012). 'The Victorian maternal and child health nurse's journey to change', in Australian Nursing Journal, 19 (12), -


Chen, S., Holroyd, E. & Jones, L. (2012). ' To have or not have a child in contemporary Taiwan? Motherhood decision making.', in The Australian Nursing Journal, 19 (11), 41 - 41


Courtney, J., Francis, A. & Paxton, S. (2012). 'Caring for the country: Fatigue, sleep and mental health in Australian rural paramedic shiftworkers', in *Journal of Community Health: the publication for health promotion and disease prevention*, online, 1 - 9


Dodevska, G. & Vassos, M. (2012). 'What qualities are valued in residential direct care workers from the perspective of people with an intellectual disability and managers of accommodation services?', in *Journal of Intellectual Disability Research*, online, 1 - 15


Lau, J., Gu, J., Tsui, H., Chen, H., Holroyd, E., Wang, R. & Hu, X. (2012). 'Prevalence and associated factors of condom use during commercial sex by female sex workers who were or were not injecting drug users in China', in Sexual Health: an interdisciplinary journal of sexual health including HIV/AIDS and sexually transmitted infections, 9 (4), 368 - 376


Oates, L. (2012). 'Complementary treatments for irritable bowel syndrome', in Australian Pharmacist, 31 (10), 808 - 811


Thwala, S., Jones, L. & Holroyd, E. (2012). 'An ethnographic account of the beliefs, values and experiences of rural Swazi women during childbirth', in *Evidence Based Midwifery*, 10 (3), 101 - 106

Vassos, M. & Nankervis, K. (2012). 'Investigating the importance of various individual, interpersonal, organisational and demographic variables when predicting job burnout in disability support workers', in *Research in Developmental Disabilities*, 33 (6), 1780 - 1791


Zeng, X., Zhou, X., Xu, J., Chan, S., Xue, C., Molero - Navajas, J. & Ye, J. (2012). 'Screening for the efficacy on lipid accumulation in 3T3-L1 cells is an effective tool for the identification of new anti-diabetic compounds', in Biochemical Pharmacology, 84 (6), 830 - 837


Life & Physical Sciences

Refereed Journal Article


Mathematical and Geospatial Sciences

Chapter in Research Book


Refereed Journal Article


McLennan, B. & Garvin, T. (2012). 'Increasing the salience of NRM Research with innovative methodologies: The example of oriented qualitative case study (OQCS)', in *Society and Natural Resources*, 25, 400 - 409


Nyblom, M. (2012). 'In search of square centered square numbers', in *Mathematical Spectrum*, 44 (3), 130 - 133


Article in Refereed Conference Proceedings


Baglin, J., Bedford, A. & Bulmer, M. (2012). 'Students' experiences and perceptions of using a virtual environment for project-based assessment in an online introductory statistics course', Proceedings of


Kamali Yazdi, A. & Abdollahian, M. (2012). 'A stabilizing approach to resolve the inconsistent results prevalent when applying the standard time domain BEM to 3D problems', Proceedings of the 2012 World Congress in Computer Science Computer Engineering and Applied Computing, H. R. Arabnia (ed.),WORLDCOMP’12,


Medical Sciences

Chapter in Research Book


Refereed Journal Article


Alqathami M., Blencowe, A., Qiao, G., Adamovics, J. & Geso, M. (2012). 'Optimizing the sensitivity and radiological properties of the PRESAGE® dosimeter using metal compounds', in Radiation Physics and Chemistry, 81 (11), 1688 - 1695


Burke, L., Farrow, D., Raynor, A. & Mann, D. (2012). 'But I can't pass that far! The influence of motor skill on decision making', in Psychology of Sport and Exercise, 13 (2), 152 - 161


Dworak, M., Stebbing, M., Kompa, A., Rana, I., Krum, H. & Badoer, E. (2012). 'Sustained activation of microglia in the hypothalamic PVN following myocardial infarction', in Autonomic Neuroscience: Basic and Clinical, 169 (2), 70 - 76


Fini, J., Le Mevel, S., Palmie, K., Darras, V., Punzon, I., Richardson, S., Clerget-Froidevaux, M. & Demeneix, B. (2012). 'Thyroid hormone signaling in the Xenopus laevis embryo is functional and susceptible to endocrine disruption', in *Endocrinology, 153* (10), 5068 - 5081


Hryciw, D., Jenkin, K., Simcocks, A., Grinfeld, E., McAinich, A. & Poronnik, P. (2012). 'The interaction between megalin and ClC-5 is scaffolded by the Na(+)-H(+) exchanger regulatory factor 2 (NHERF2) in proximal tubule cells', in *The International Journal of Biochemistry and Cell Biology, 44* (5), 815 - 823


Joshi, A. & Woodman, O. (2012). 'Increased nitric oxide activity compensates for increased oxidative stress to maintain endothelial function in rat aorta in early type 1 diabetes', in Naunyn-Schmiedeberg's Archives of Pharmacology, 385 (11), 1083 - 1094


Kron, T., Pham, D., Roxby, K., Rolfo, A. & Foroudi, F. (2012). 'Credentialing of radiotherapy centres for a clinical trial of adaptive radiotherapy for bladder cancer (TROG 10.01)', in Radiotherapy and Oncology, 103 (3), 293 - 298

Lane, S., Bird, S., Burke, L. & Hawley, J. (2012). 'Effect of a carbohydrate mouth rinse on simulated cycling time-trial performance commenced in a fed or fasted state', in Applied Physiology, Nutrition and Metabolism, 38 (2), 134 - 139


Tranberg, C., Yang, A., Vetter, I., McArthur, J., Baell, J., Lewis, R., Tuck, K. & Duggan, P. (2012). 'Omega-Conotoxin GVIA Mimetics that Bind and Inhibit Neuronal Ca(v)2.2 Ion Channels', in Marine Drugs, 10 (10), 2349 - 2368


W Abd Rahman, W., Wong, C., Ackerly, T., Yagi, N. & Geso, M. (2012). 'Polymer gels impregnated with gold nanoparticles implemented for measurements of radiation dose enhancement in synchrotron and conventional radiotherapy type beams', in Australasian Physical and Engineering Sciences in Medicine, 35 (3), 301 - 309


Article in Refereed Conference Proceedings


Chapter in Research Book

Refereed Journal Article


Article in Refereed Conference Proceedings


